

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Satoshi MURAKAMI</td> <td>05/28/2013</td> </tr> <tr> <td>Masaki YAMADA</td> <td>05/28/2013</td> </tr> <tr> <td>Ryota KONDO</td> <td>05/28/2013</td> </tr> <tr> <td>Takashi KANEYAMA</td> <td>05/29/2013</td> </tr> <tr> <td>Kazutoshi AWANE</td> <td>05/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Satoshi MURAKAMI	05/28/2013	Masaki YAMADA	05/28/2013	Ryota KONDO	05/28/2013	Takashi KANEYAMA	05/29/2013	Kazutoshi AWANE	05/30/2013
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<table border="1"> <tr> <td>Name:</td> <td>Mitsubishi Electric Corporation</td> </tr> <tr> <td>Street Address:</td> <td>7-3, Marunouchi 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8310</td> </tr> </table>		Name:	Mitsubishi Electric Corporation	Street Address:	7-3, Marunouchi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	100-8310		
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CORRESPONDENCE DATA													
<p>Fax Number: 7034132220  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000        Email: sgetasetegne@oblon.com        Correspondent Name: Oblon, Spivak, et al.        Address Line 1: 1940 Duke Street        Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	417907US20PCT												
NAME OF SUBMITTER:	Shewaye Getasetegne/												
Signature:	/Shewaye Getasetegne/												

OP \$40.00 13980911

Date:	07/22/2013
Total Attachments: 2 source=417907USassignment#page1.tif source=417907USassignment#page2.tif	

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS

WHEREAS, I (WE) Satoshi MURAKAMI

Masaki YAMADA

Ryota KONDO

Takashi KANEYAMA

and Kazutoshi AWANE

of 7-3, Marunouchi 2-Chome, Chiyoda-Ku, TOKYO 100-8310 JAPAN

\_\_\_\_\_, respectively,

INSERT TITLE OF  
INVENTION

have invented certain new and useful improvements in: DC-DC CONVERTER

(Application No. PCT/JP2011/077017, filed on November 24, 2011), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, Mitsubishi Electric Corporation

(hereinafter referred to as "ASSIGNEE") having a place of business at: 7-3, Marunouchi 2-Chome, Chiyoda-Ku, TOKYO 100-8310 JAPAN is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

